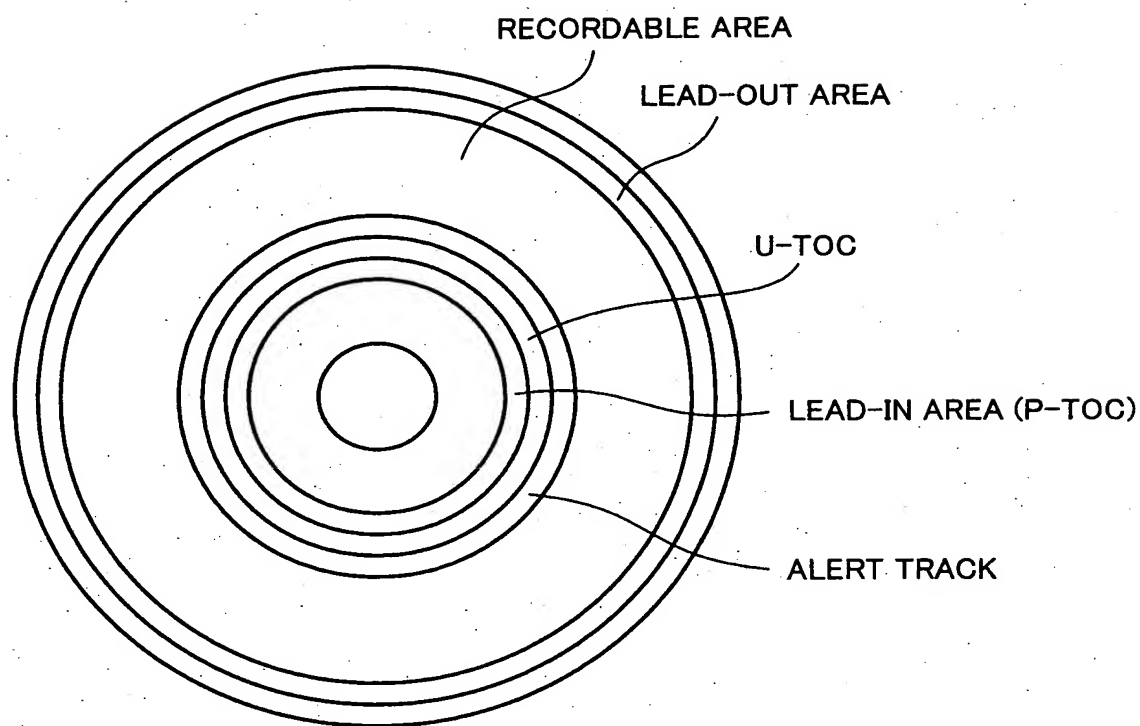


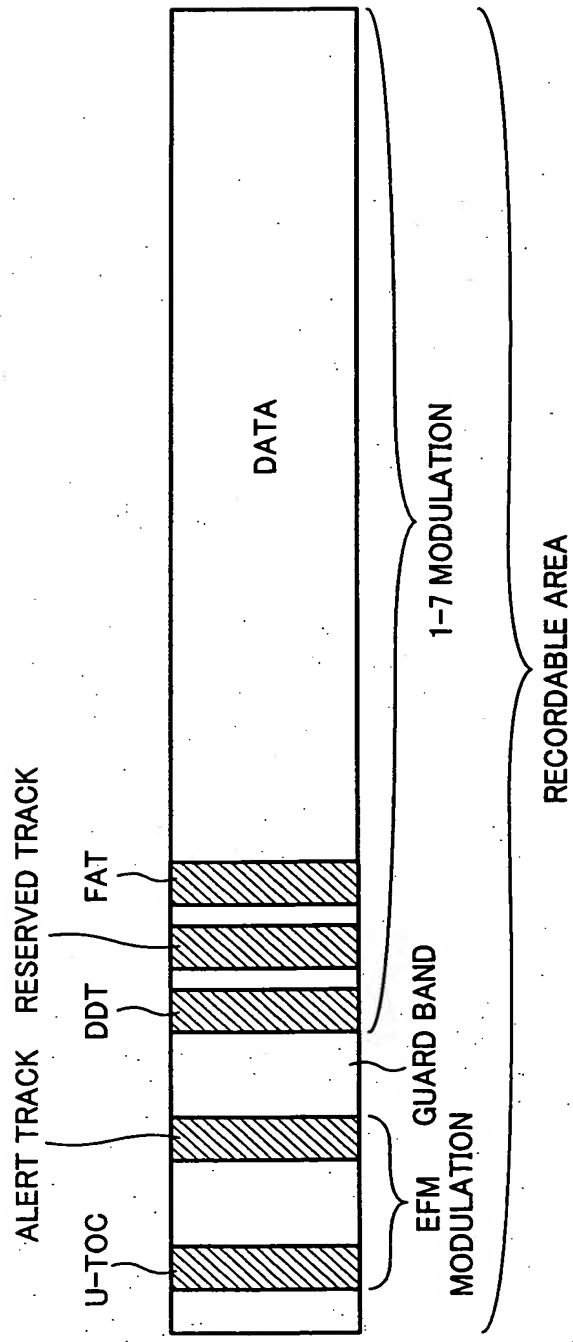
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**Fig. 1**

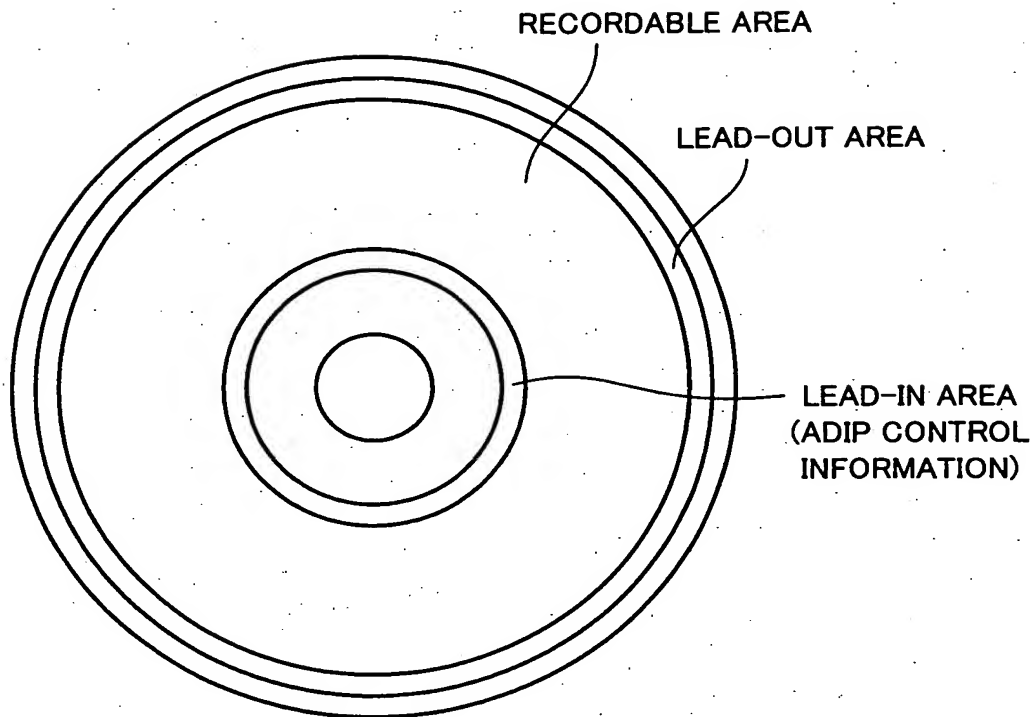
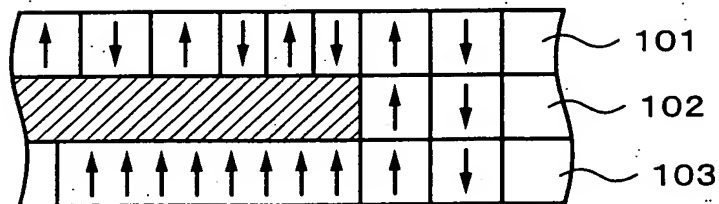


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Fig. 2



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**Fig. 3A****Fig. 3B**

← MOVING DIRECTION OF  
MAGNETIC WALL

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Fig. 4

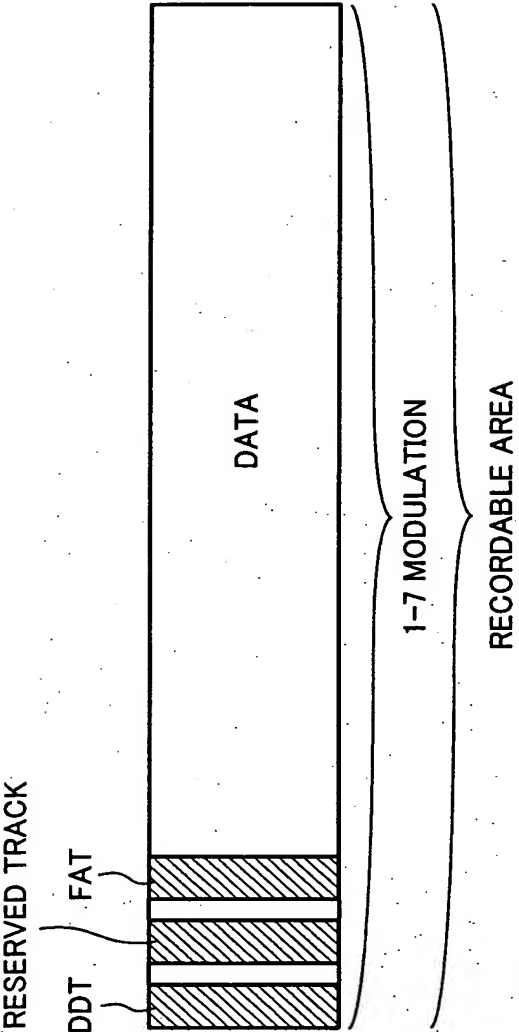
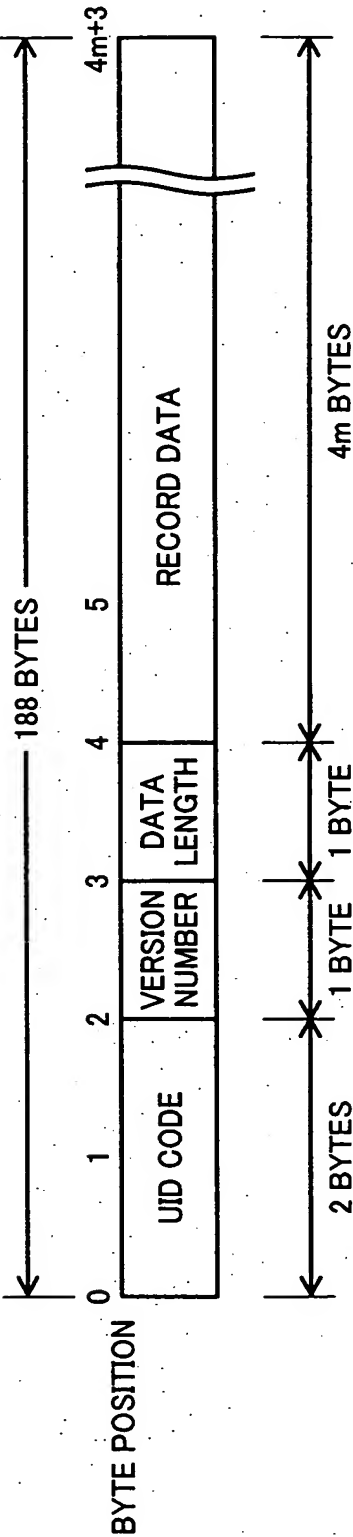
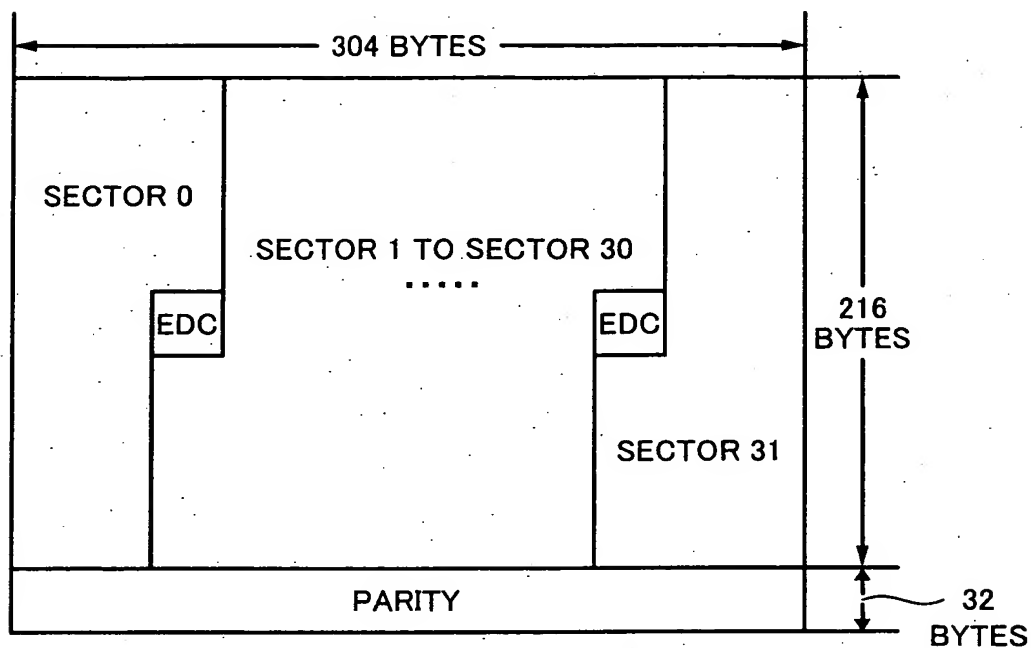
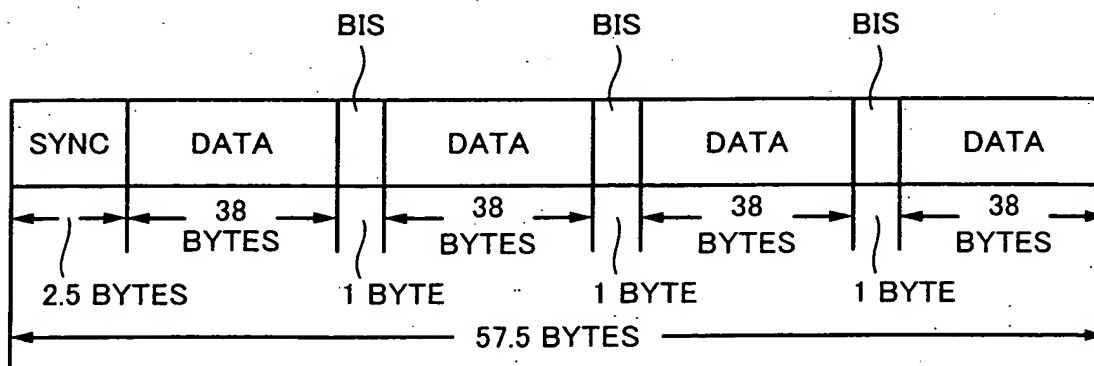


Fig. 5

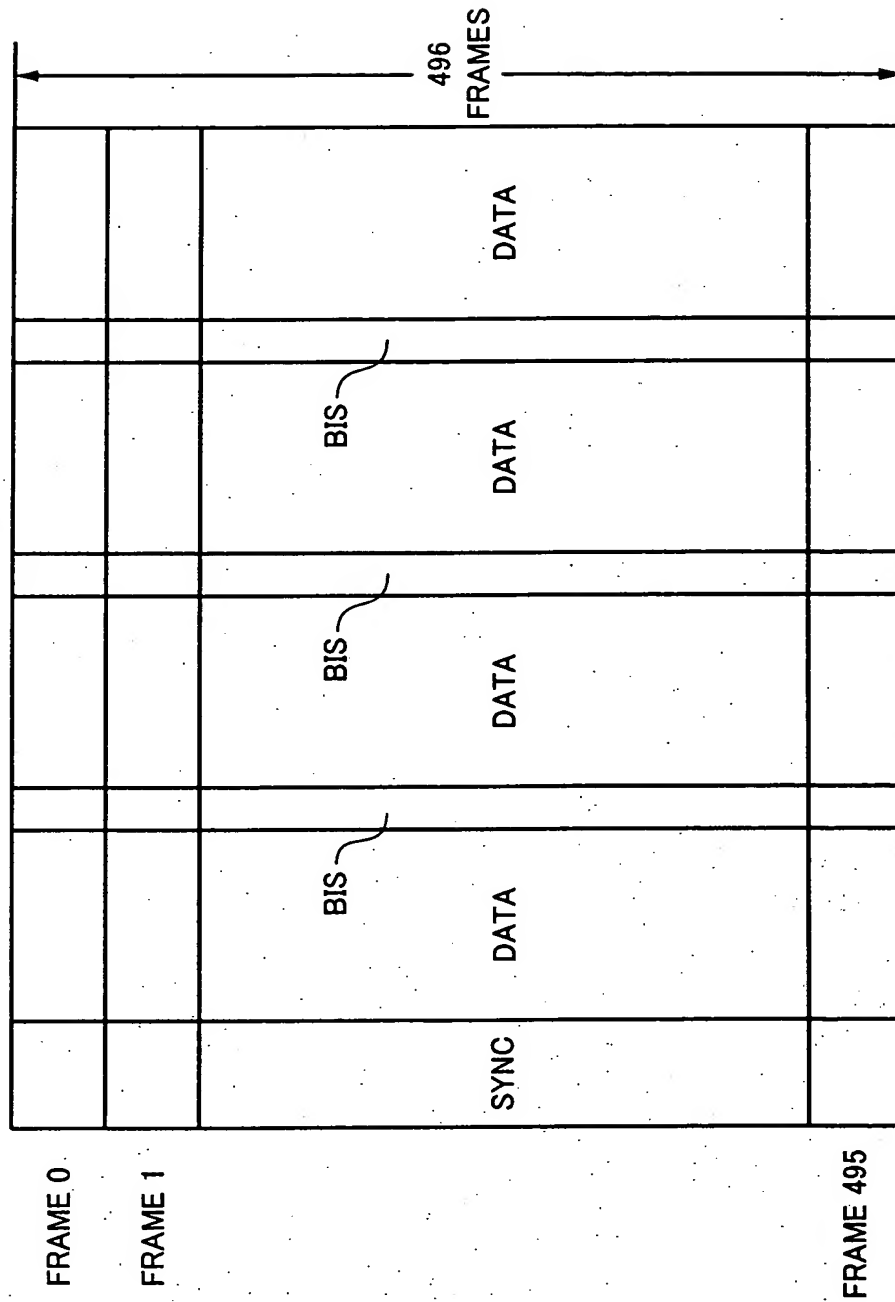


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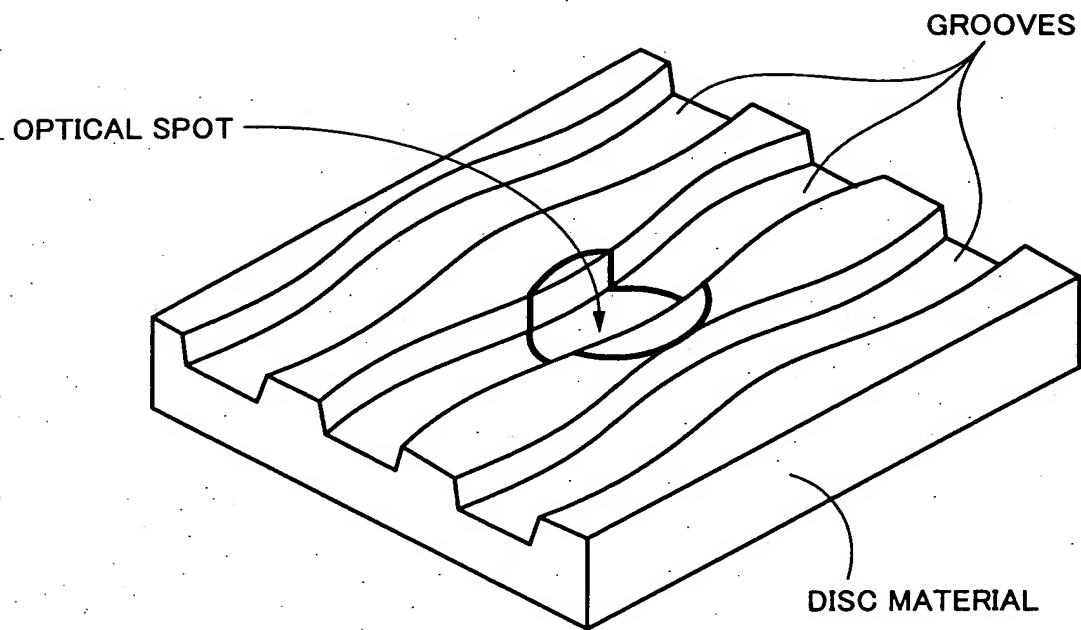
**Fig. 6****Fig. 7**

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**Fig. 8**

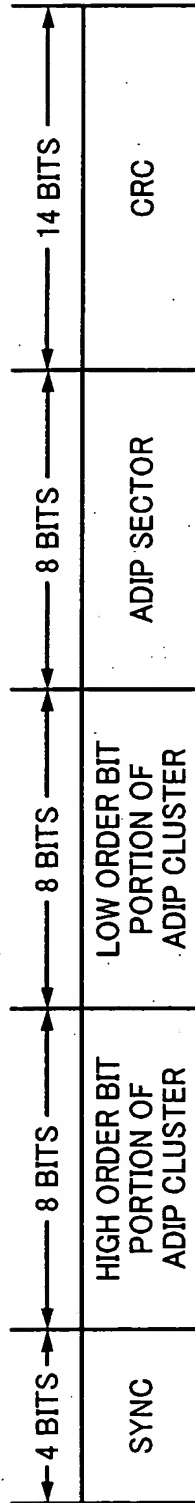


**Fig. 9**

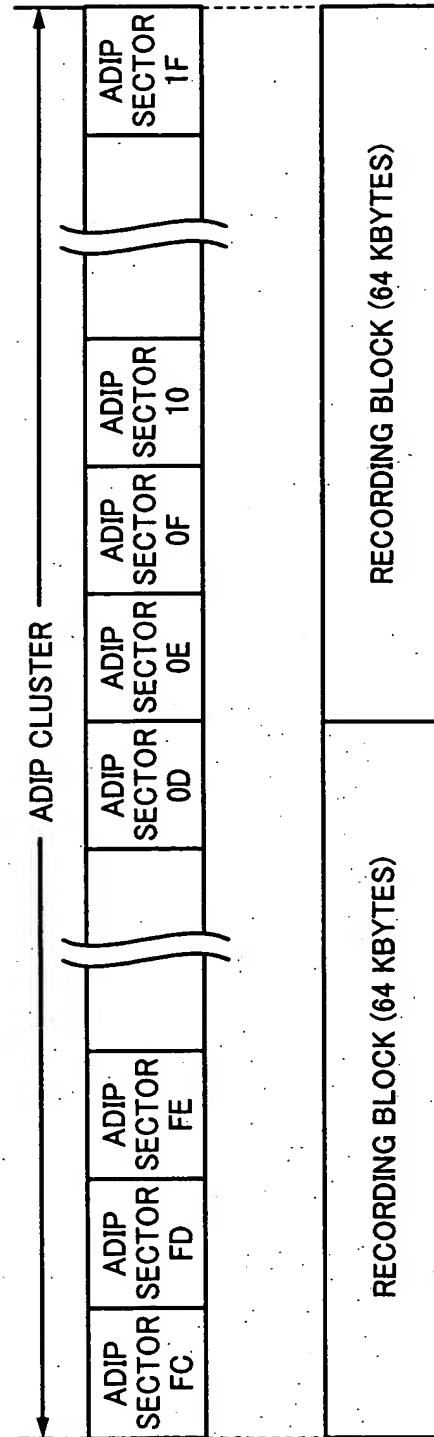


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**Fig. 10**



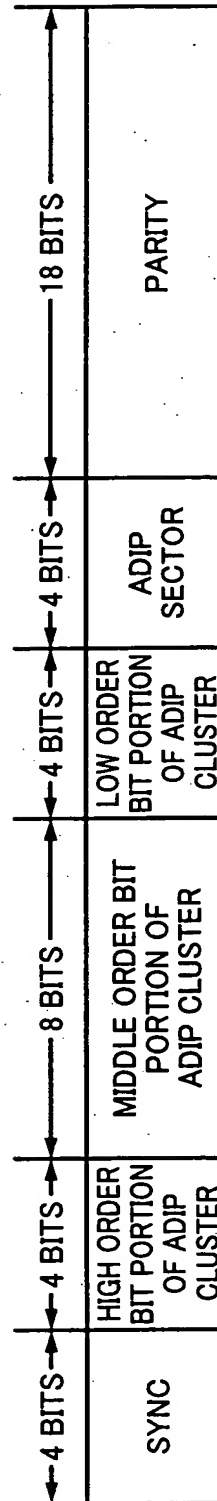
**Fig. 11**



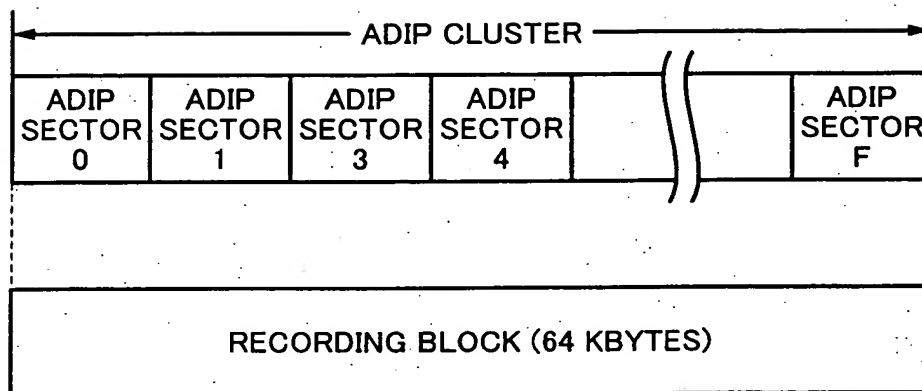


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Fig. 12

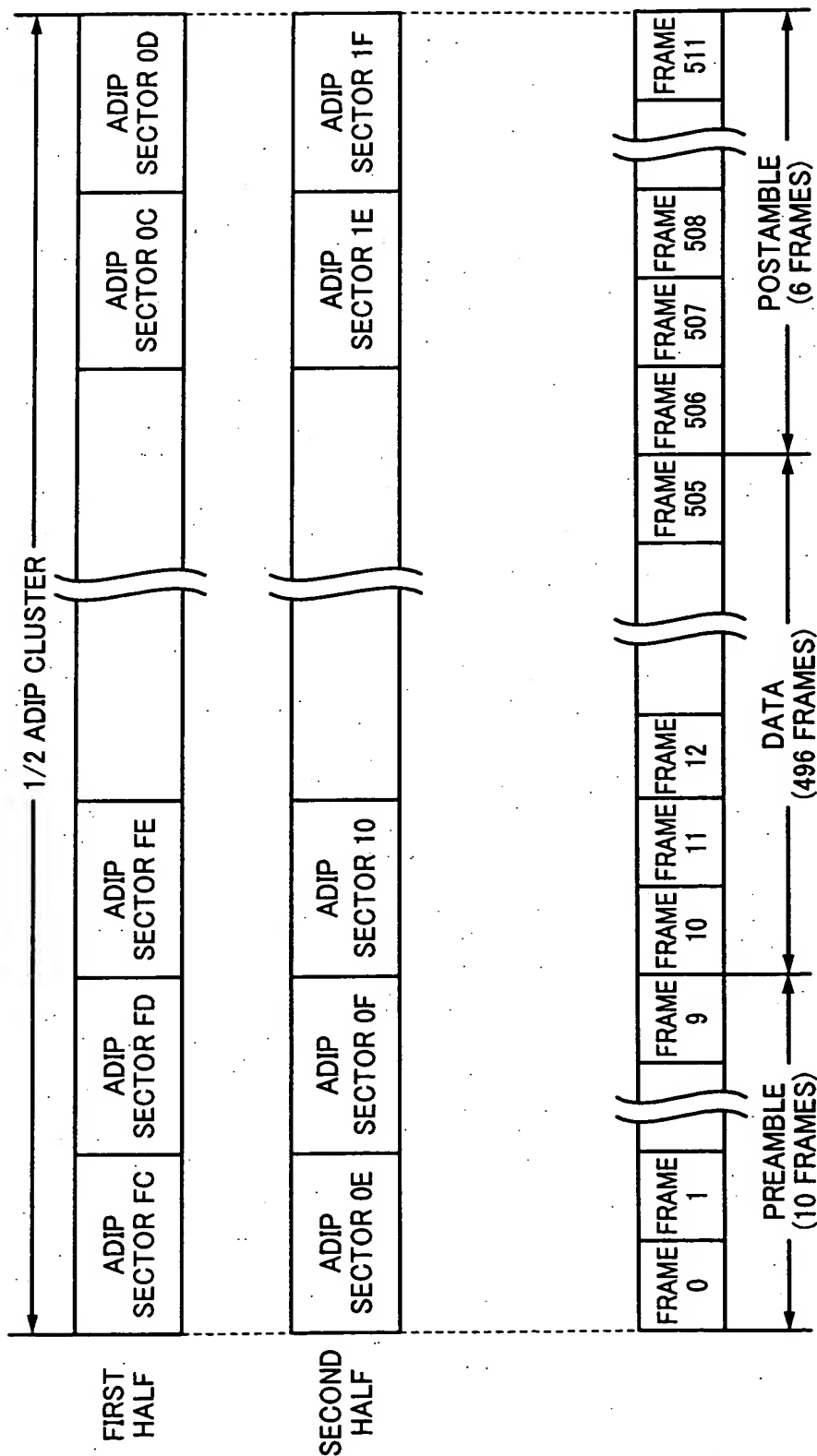


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**Fig. 13**

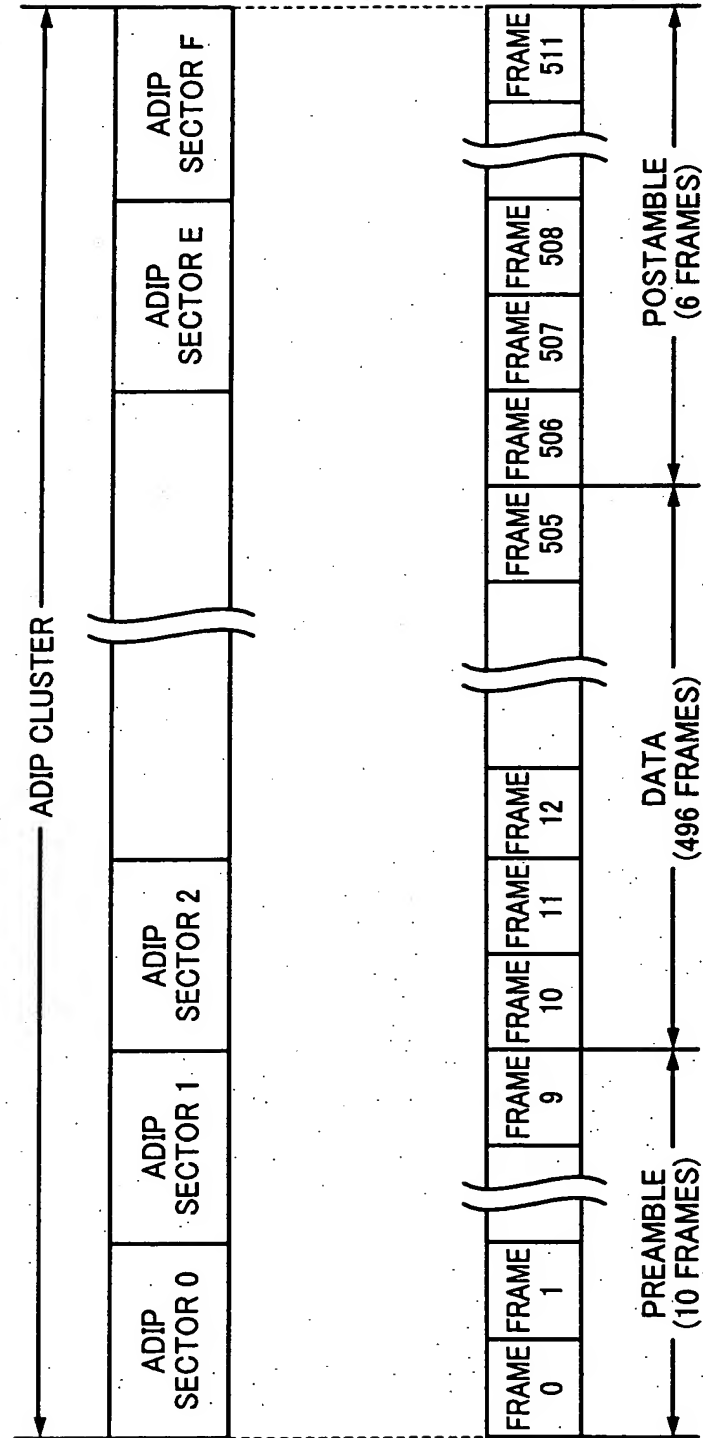
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**Fig. 14**



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Fig. 15



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Fig. 16

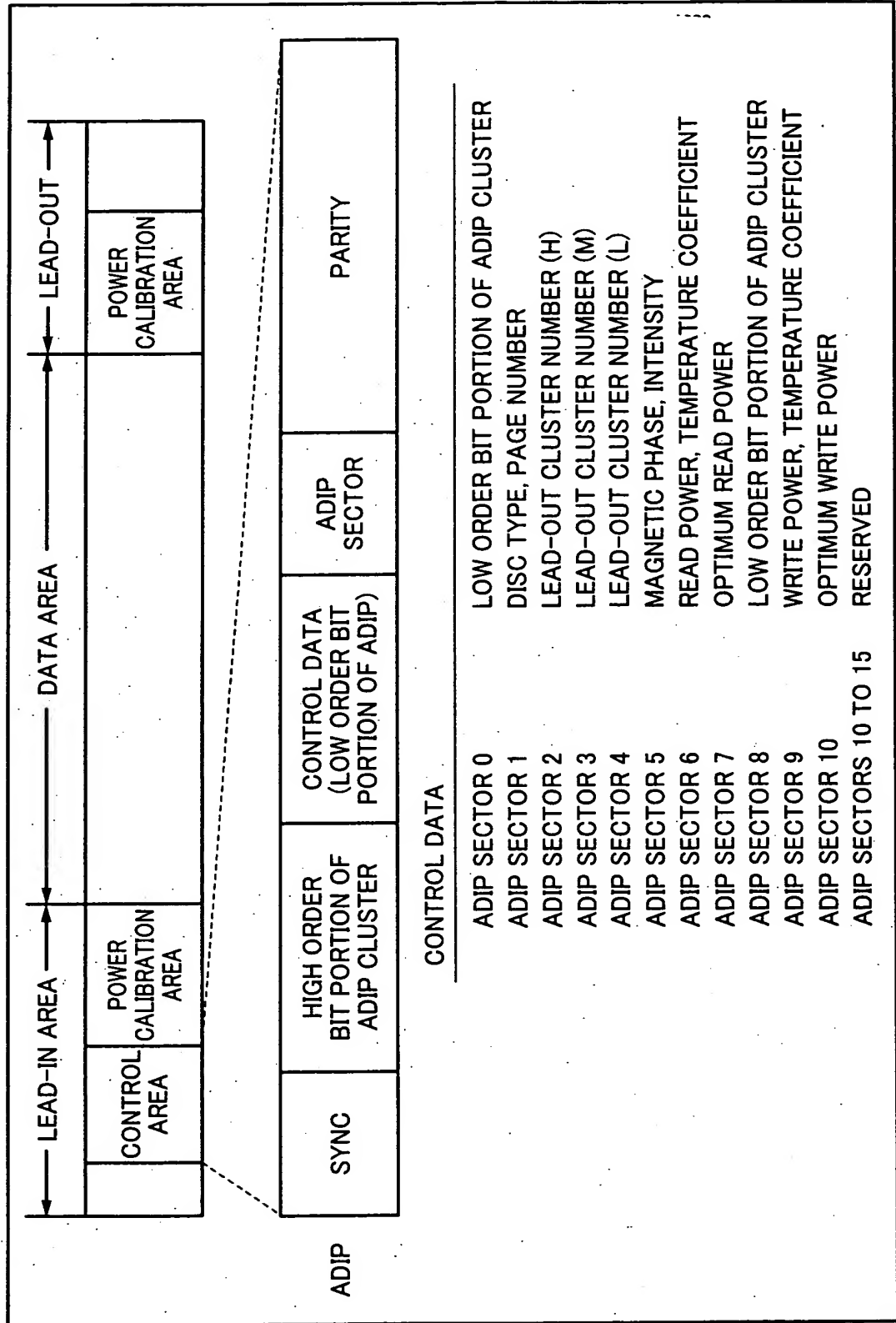
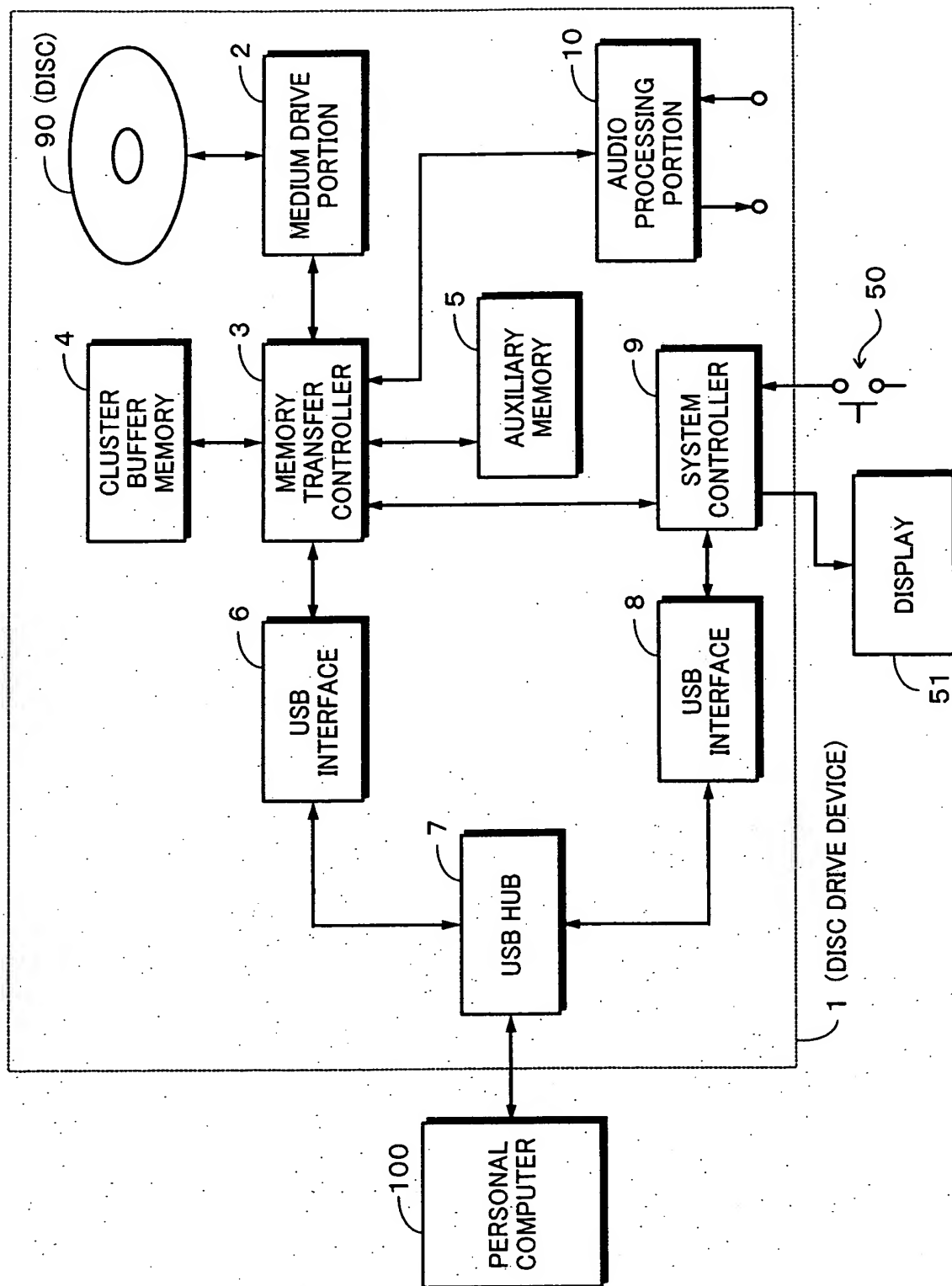
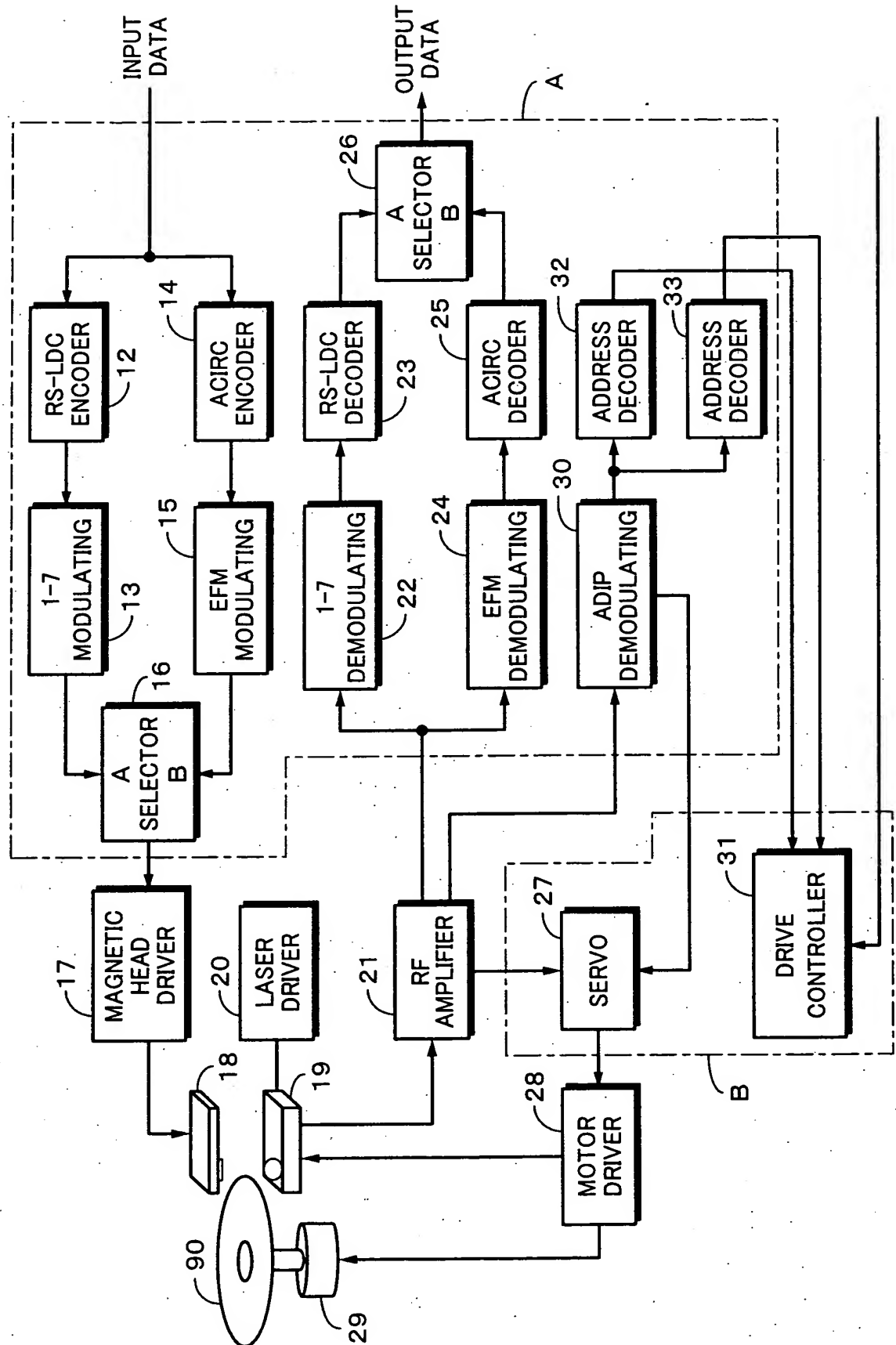


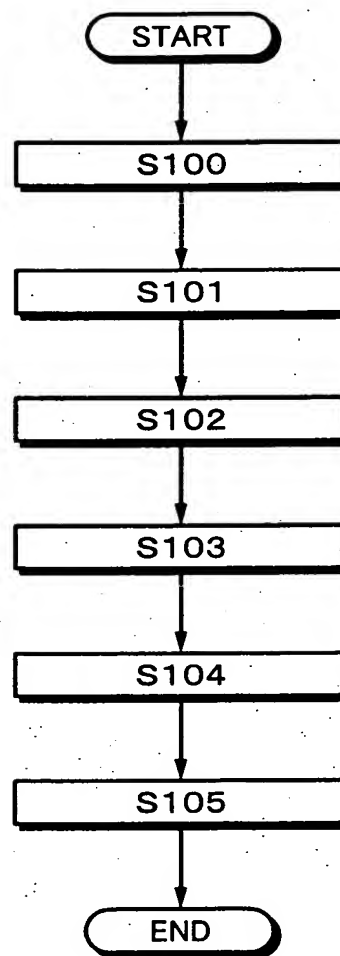
Fig. 17



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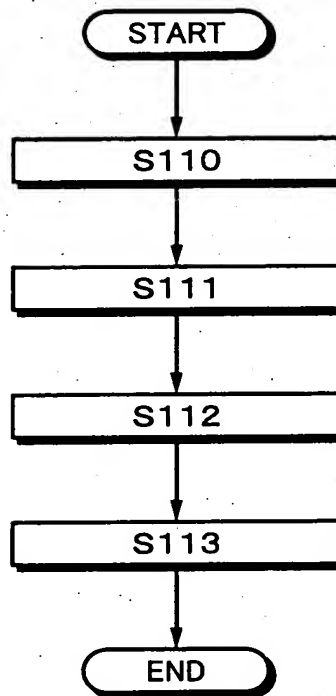
Fig. 18



**Fig. 19**

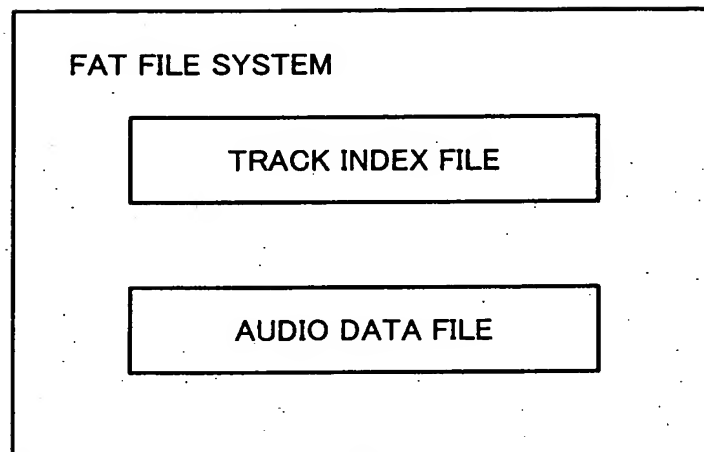


**Fig. 20**



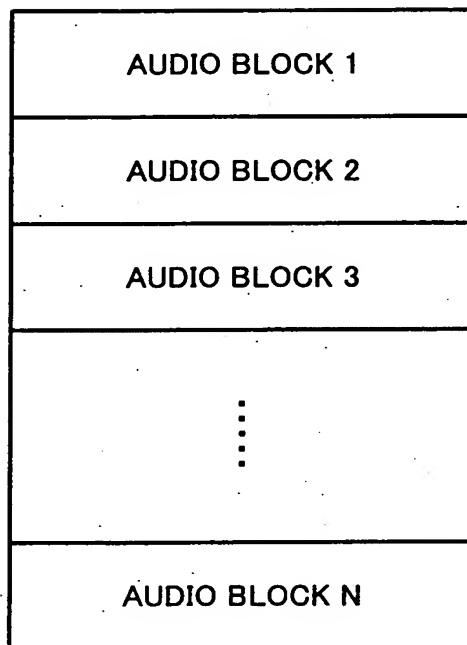
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**Fig. 21**



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**Fig. 22**



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**Fig. 23**

PLAY ORDER TABLE
PROGRAMMED PLAY ORDER TABLE
GROUP INFORMATION TABLE
TRACK INFORMATION TABLE
PART INFORMATION TABLE
NAME TABLE

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**Fig. 24**

TINF1
TINF2
TINF3
⋮
TINF <sub>n</sub>

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**Fig. 25**

PINF1
PINF2
PINF3
⋮
PINF <sub>n</sub>

331520053

**Fig. 26A**

GROUP DESCRIPTOR 0
GROUP DESCRIPTOR 1
GROUP DESCRIPTOR 2
⋮
GROUP DESCRIPTOR N

**Fig. 26B**

START TRACK NUMBER	END TRACK NUMBER	GROUP NAME	FLAG
-----------------------	---------------------	---------------	------

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**Fig. 27A**

TRACK DESCRIPTOR 0
TRACK DESCRIPTOR 1
TRACK DESCRIPTOR 2
⋮
TRACK DESCRIPTOR N

**Fig. 27B**

ENCODING SYSTEM		
COPYRIGHT MANAGEMENT INFORMATION	KEY INFORMATION	
PART NUMBER	ARTIST NAME	TITLE
ORIGINAL SONG ORDER	RECORD DURATION	



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**Fig. 28A**

PART DESCRIPTOR 0
PART DESCRIPTOR 1
PART DESCRIPTOR 2
⋮
PART DESCRIPTOR N

**Fig. 28B**

PART START ADDRESS	PART END ADDRESS	LINK
-----------------------	---------------------	------

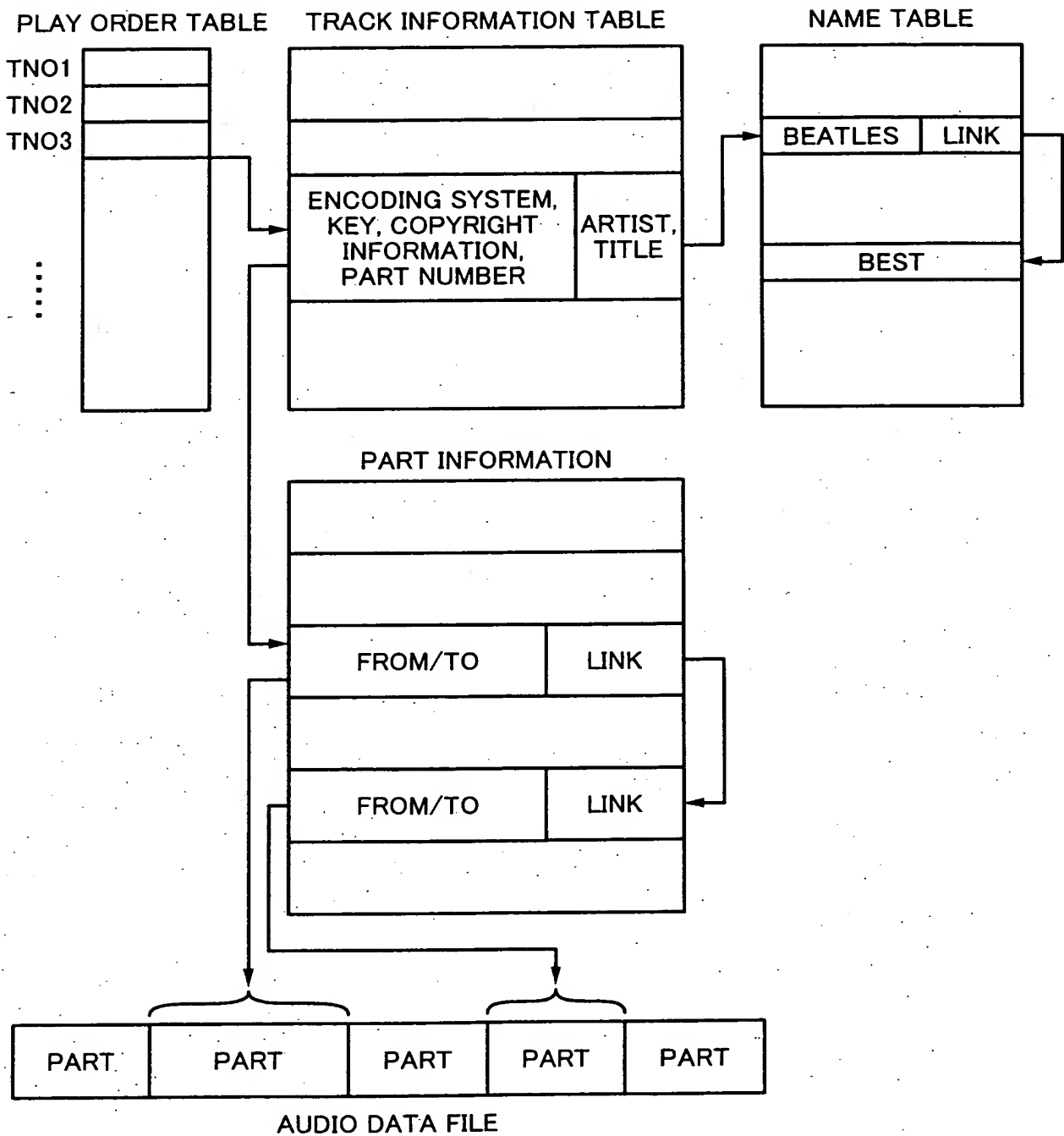
**Fig. 29A**

NAME SLOT 0
NAME SLOT 1
NAME SLOT 2
⋮
NAME SLOT N

**Fig. 29B**

NAME DATA	NAME TYPE	LINK
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**Fig. 30**



2020.08.15

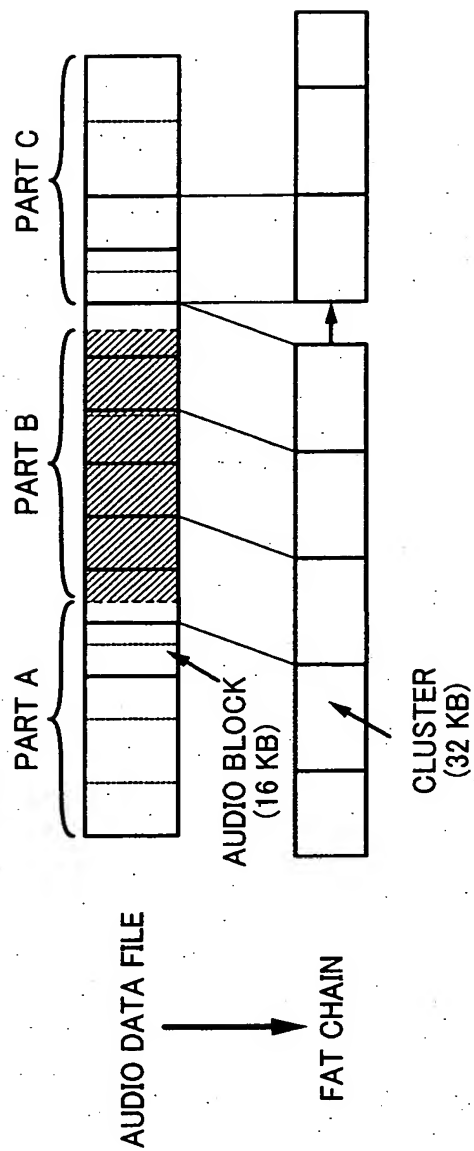
**Fig. 31**

**TRACK INFORMATION TABLE**

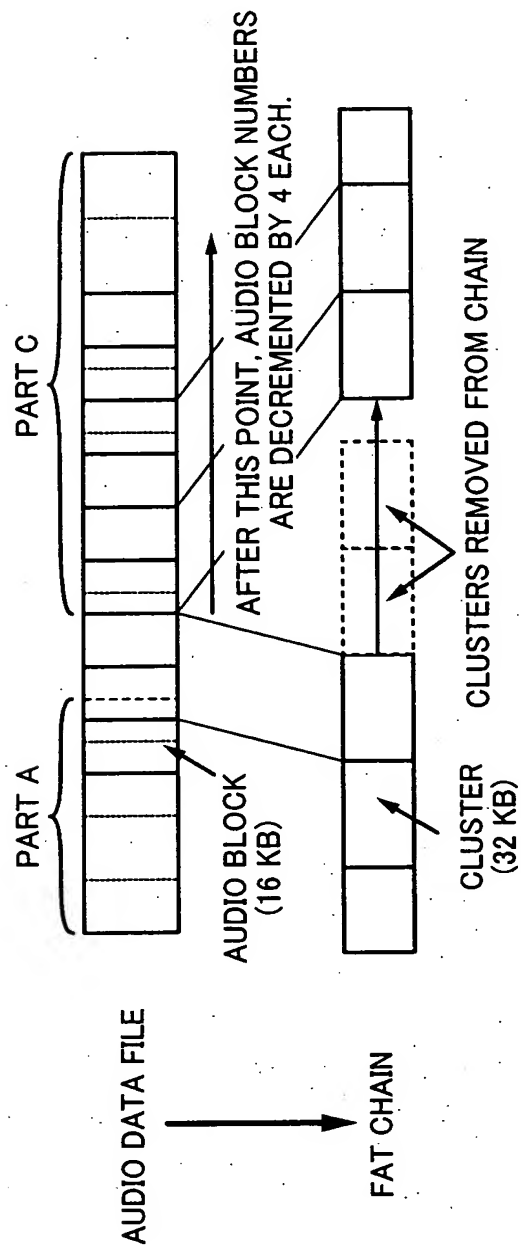
TRACK DESCRIPTOR 0
ARTIST
TRACK DESCRIPTOR 1
ARTIST
TRACK DESCRIPTOR 2
ARTIST
TRACK DESCRIPTOR 3
ARTIST
TRACK DESCRIPTOR 4
ARTIST
TRACK DESCRIPTOR 5
ARTIST
TRACK DESCRIPTOR 6
ARTIST
TRACK DESCRIPTOR 7
ARTIST

**NAME TABLE**

ABC STARS
DEF BAND
GHQ GIRLS

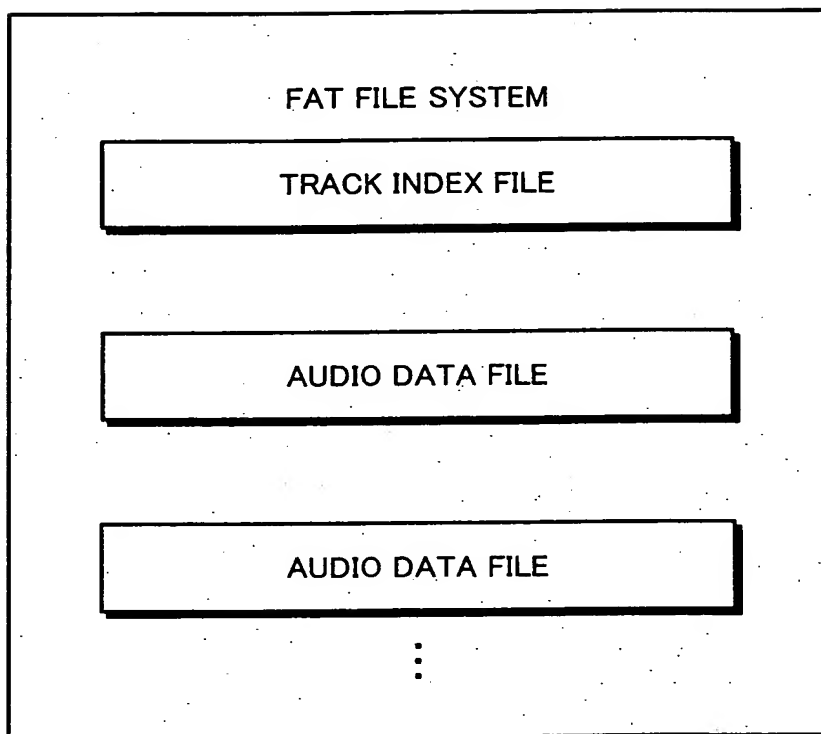


**Fig. 32A**



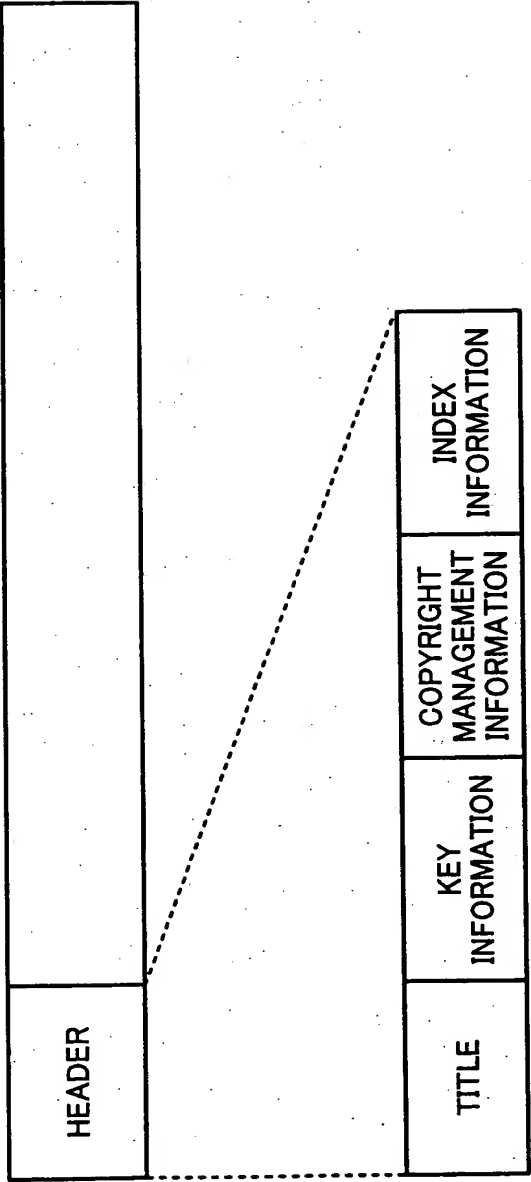
**Fig. 32B**

***Fig. 33***



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Fig. 34



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***Fig. 35***

PLAY ORDER TABLE
PROGRAMMED PLAY ORDER TABLE
GROUP INFORMATION TABLE
TRACK INFORMATION TABLE
NAME TABLE



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**Fig. 36**

TINF0
TINF1
TINF2
⋮
TINF <sub>n</sub>

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**Fig. 37**

PINF0
PINF1
PINF2
⋮
PINF <sub>n</sub>

2015-11-18

**Fig. 38A**

GROUP DESCRIPTOR 0
GROUP DESCRIPTOR 1
GROUP DESCRIPTOR 2
⋮
GROUP DESCRIPTOR N

**Fig. 38B**

START TRACK NUMBER	END TRACK NUMBER	NAME POINTER	FLAG
-----------------------	---------------------	-----------------	------

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**Fig. 39A**

TRACK DESCRIPTOR 0
TRACK DESCRIPTOR 1
TRACK DESCRIPTOR 2
TRACK DESCRIPTOR N

**Fig. 39B**

ENCODING SYSTEM			
AUDIO FILE	INDEX	ARTIST NAME	TITLE
ORIGINAL SONG ORDER		RECORD DURATION	

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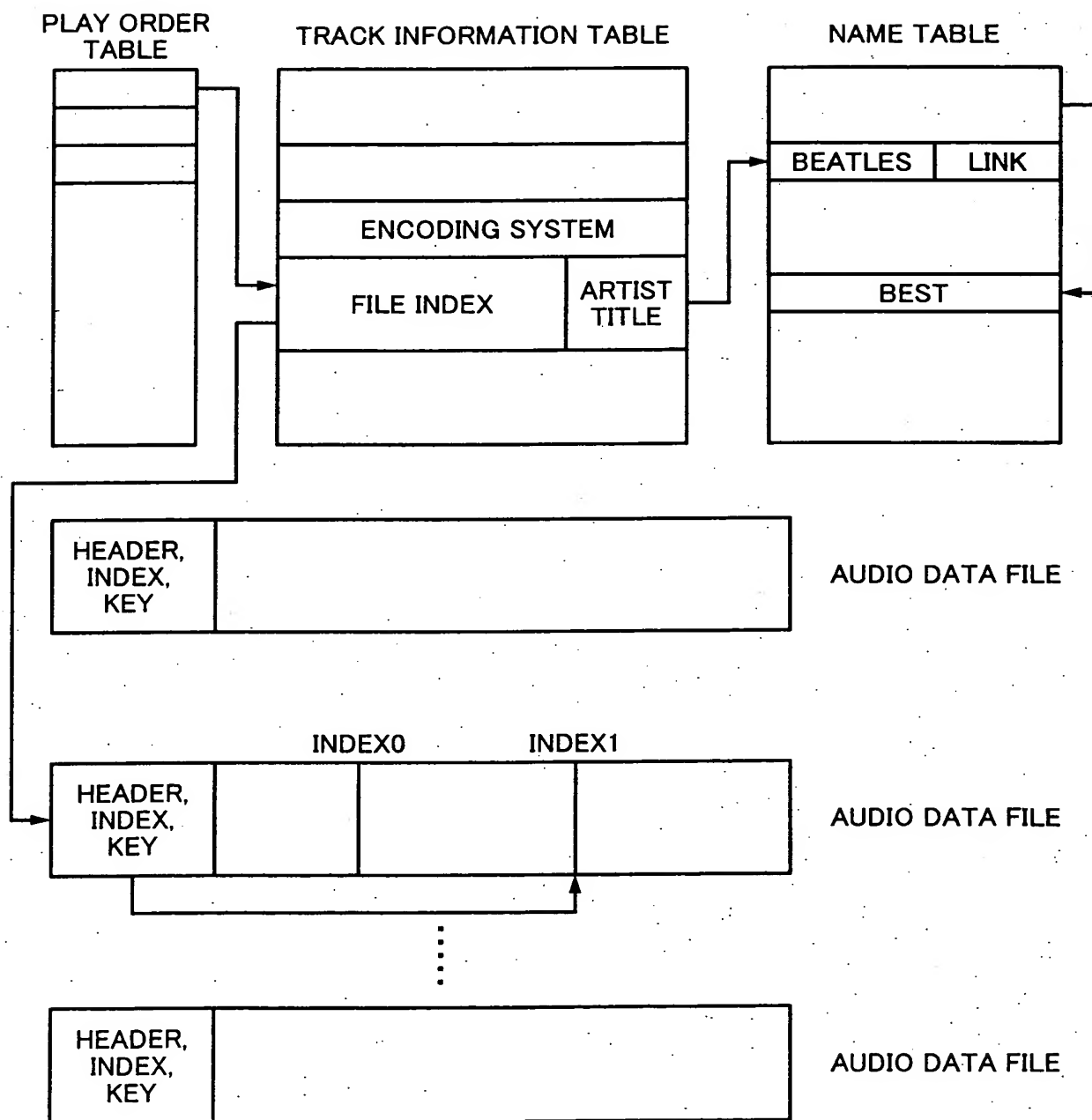
**Fig. 40A**

NAME SLOT 0
NAME SLOT 1
NAME SLOT 2
⋮
NAME SLOT N

**Fig. 40B**

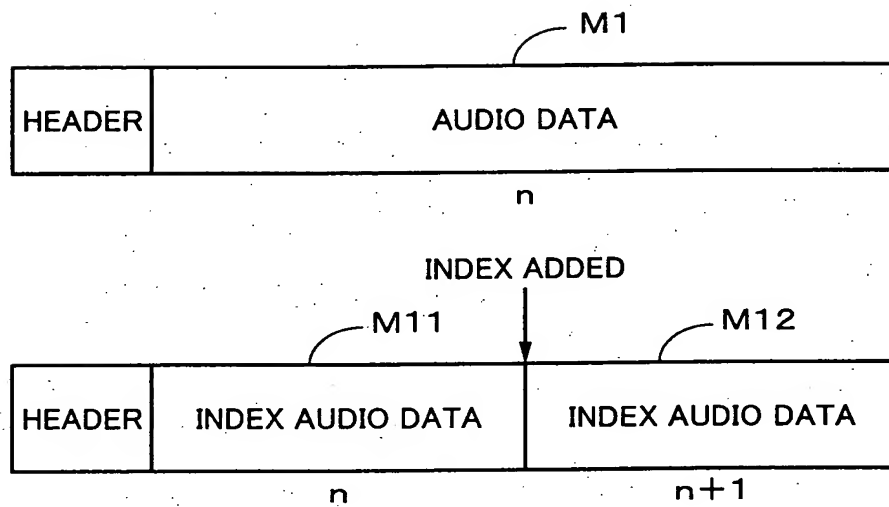
NAME DATA	NAME TYPE	LINK
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**Fig. 41**

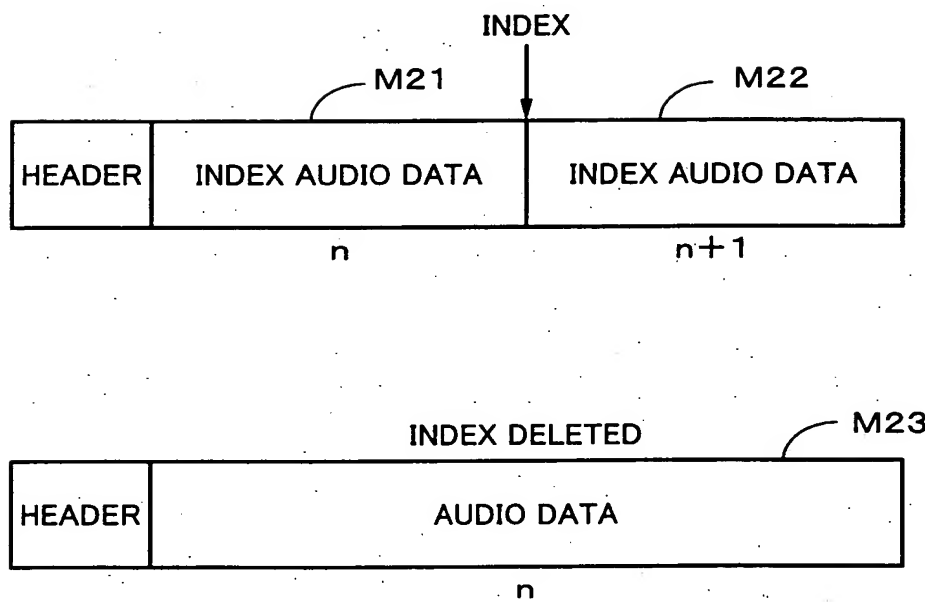


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**Fig. 42**



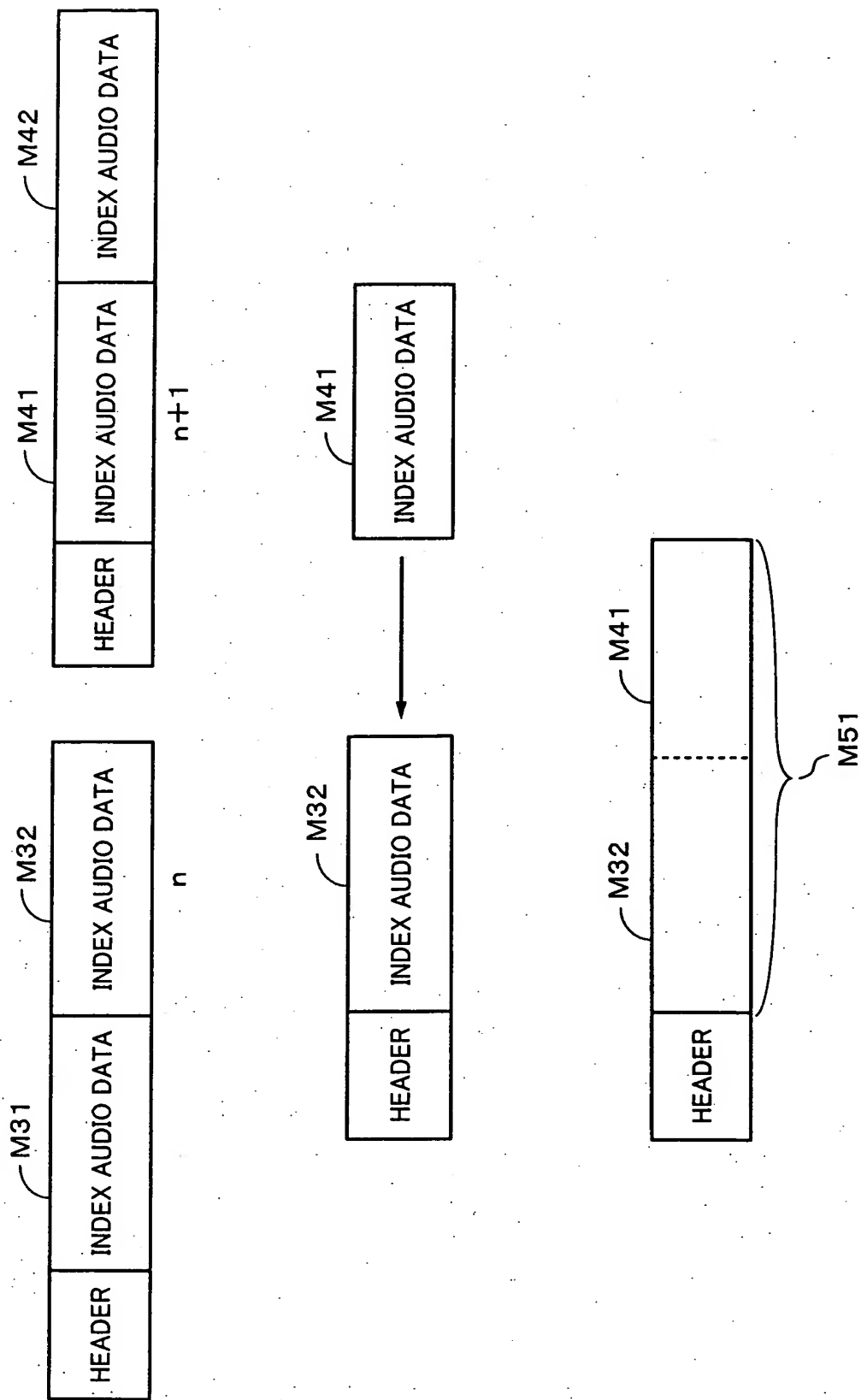
**Fig. 43**





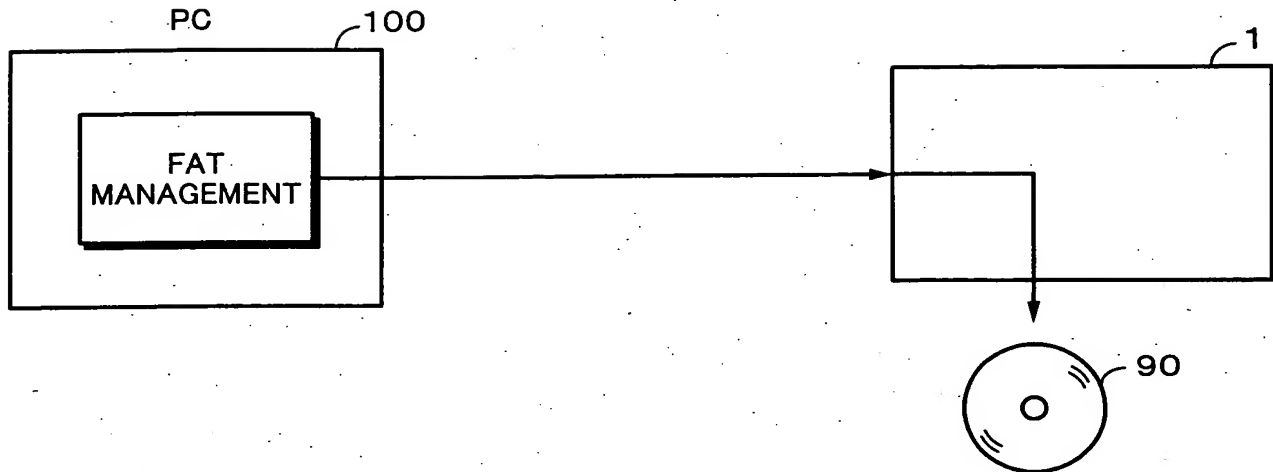
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Fig. 44

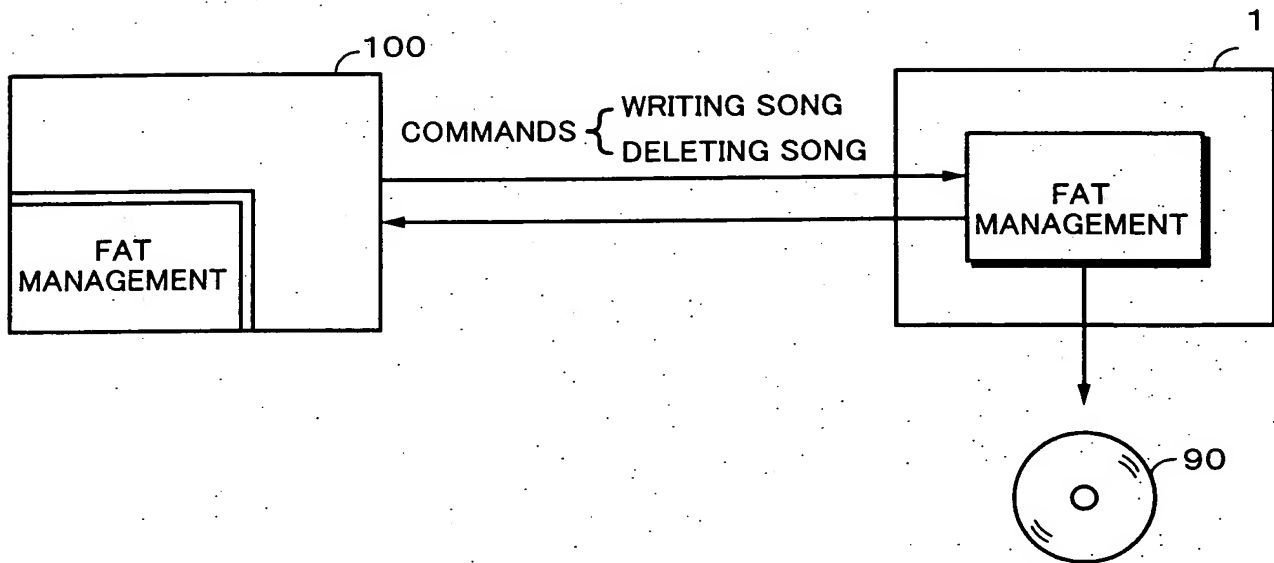


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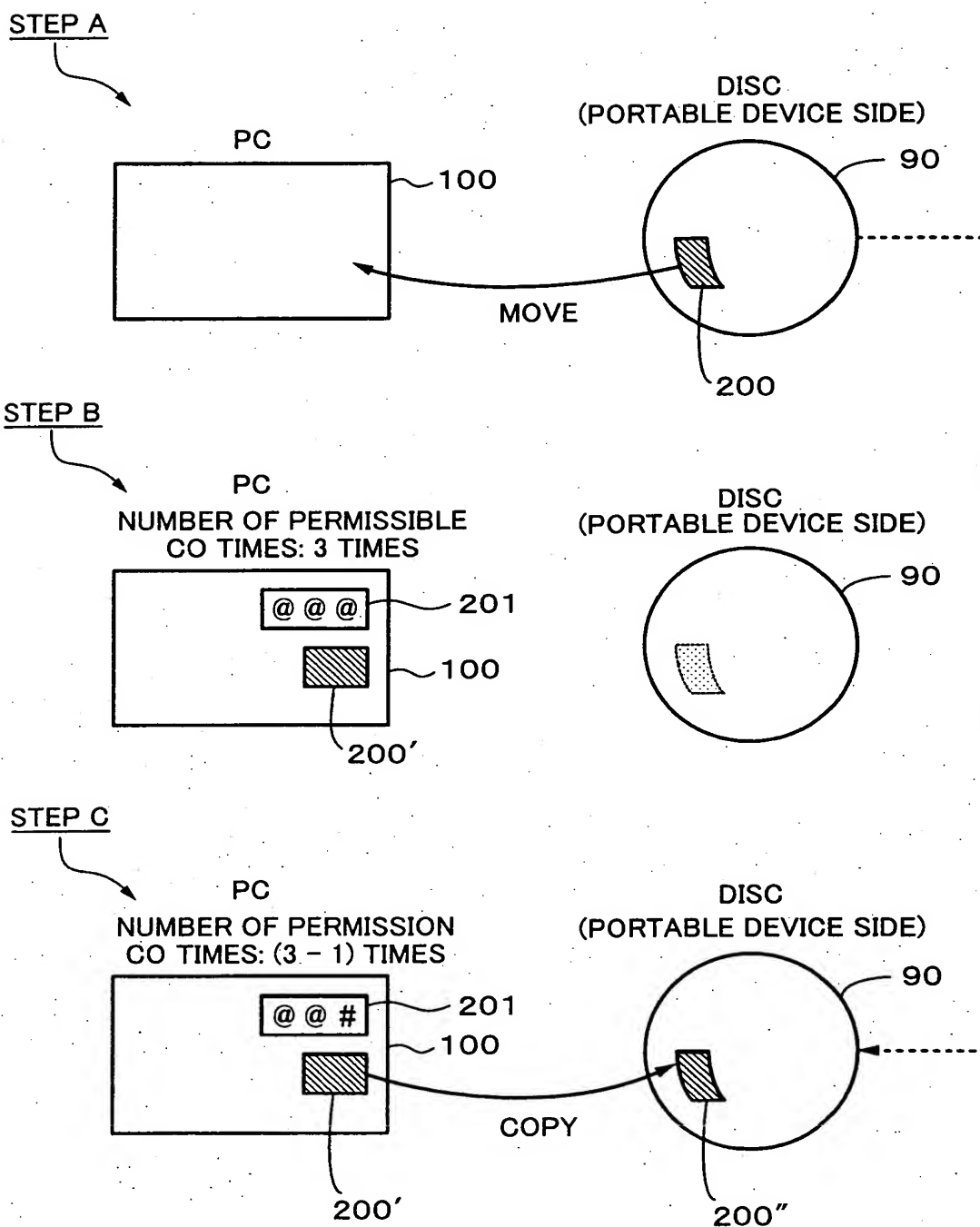
**Fig. 45A**



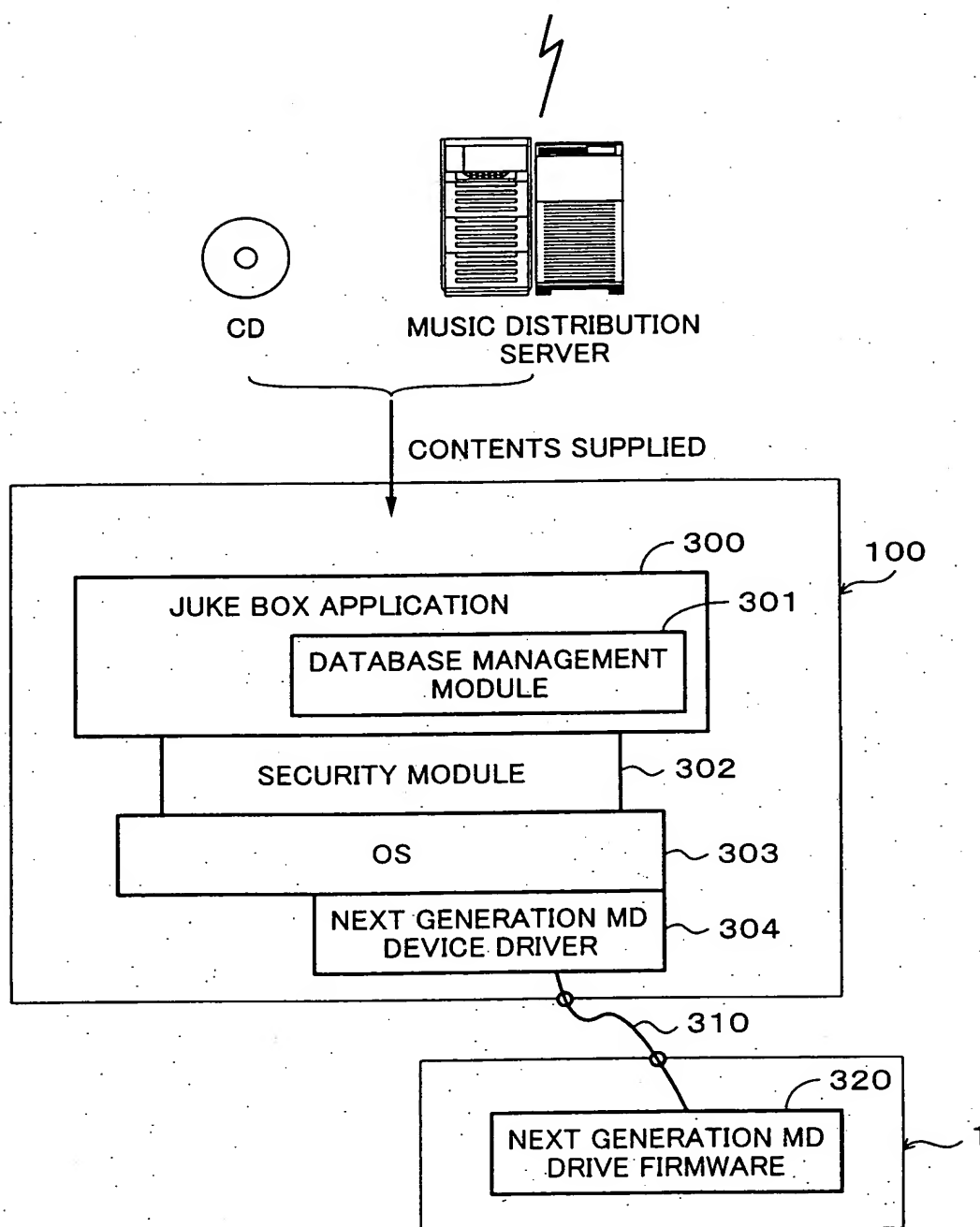
**Fig. 45B**



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**Fig. 46**

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**Fig. 47**

801520252

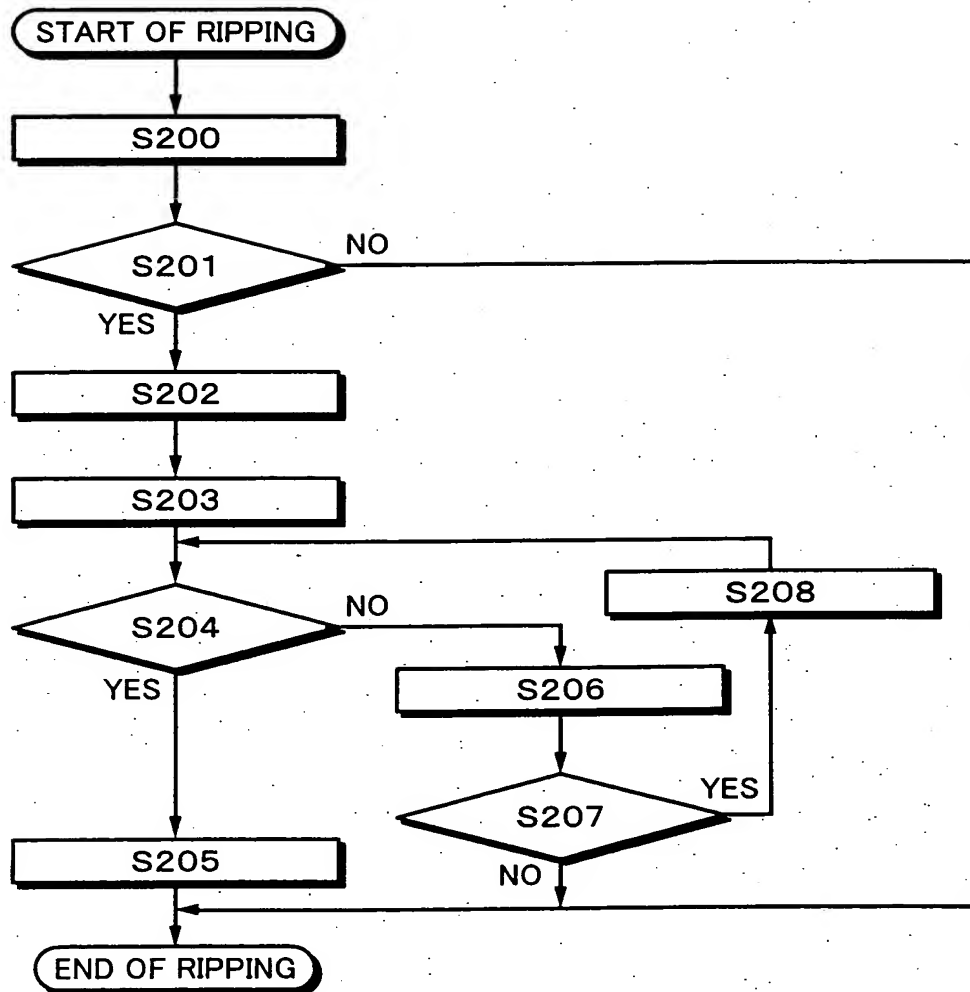
**Fig. 48A**

DISC ID	GROUP NAME	DISC CAPACITY	RESERVATION INFORMATION
AAAAA	EEEE	aaaaa	IIII
BBBBB	FFFF	bbbbb	JJJJJ
CCCCC	GGGGG	ccccc	KKKKK
DDDDD	HHHHH	ddddd	LLLLL

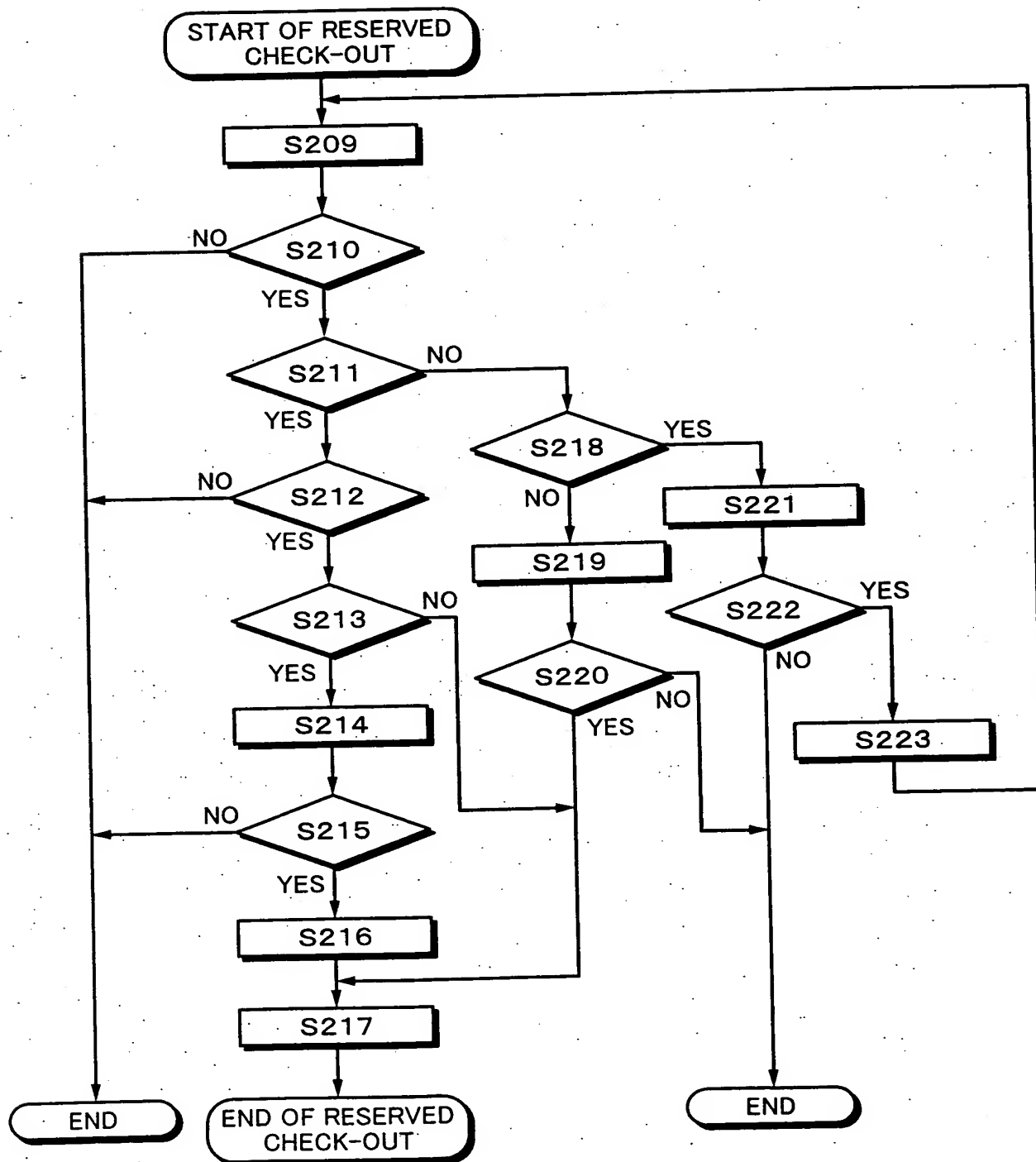
**Fig. 48B**

CONTENT ID	DISC ID	SIZE	NUMBER OF PERMISSIBLE CO TIMES
NNNNN	AAAAA	eeee	3
OOOOO	AAAAA	ffff	2
PPPPP	BBBBB	ggggg	2
QQQQQ	CCCCC	hhhhh	3
RRRRR	CCCCC	iiii	1
SSSSS	DDDDD	jiii	0
TTTTT	BBBBB	kkkkk	2

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**Fig. 49**

**Fig. 50**



## DESCRIPTION OF REFERENCE NUMERALS

1	DISC DRIVE DEVICE
2	MEDIUM DRIVE PORTION
3	MEMORY TRANSFER CONTROLLER
4	CLUSTER BUFFER MEMORY
5	AUXILIARY MEMORY
6, 8	USB INTERFACE
7	USB HUB
10	AUDIO PROCESSING PORTION
12	RS-LDC ENCODER
13	1-7 pp MODULATING PORTION
14	ACIRC ENCODER
15	EFM MODULATING PORTION
16	SELECTOR
17	MAGNETIC HEAD DRIVER
18	MAGNETIC HEAD
19	OPTICAL HEAD
22	1-7 DEMODULATING PORTION
23	RS-LDC DECODER
24	EFM DEMODULATING PORTION
25	ACIRC DECODER
26	SELECTOR
30	ADIP DEMODULATING PORTION
32, 33	ADDRESS DECODER
50	SWITCH



90 DISC

100 PERSONAL COMPUTER

300 JUKE BOX APPLICATION

301 DATABASE MANAGEMENT MODULE

302 SECURITY MODULE

S100 CHECK UID.

S101 RECORD UTOC.

S102 RECORD ALERT TRACK.

S103 RECORD DDT.

S104 RECORD UNIQUE ID.

S105 RECORD FAT AND SO FORTH.

S110 CHECK UID.

S112 UNIQUE ID

S111 RECORD DDT.

S113 RECORD FAT AND SO FORTH.

S200 ASK USER WHETHER OR NOT TO RESERVE CHECK-OUT.

S201 WILL USER RESERVE CHECK-OUT ?

S202 ASK DISC ID DATABASE.

S203 DESIGNATE DISC FOR WHICH CHECK-OUT IS RESERVED.

S204 IS REMAINING CAPACITY SUFFICIENT ?

S205 RESERVE CHECK-OUT.

S206 ASK USER WHETHER OR NOT TO RESERVE CHECK-IN.

S207 WILL USER RESERVE CHECK-IN ?

S208 RESERVE CHECK-IN.

S209 ASK WHETHER OR NOT TO PERFORM CHECK-OUT.

- S210 WILL USER PERFORM CHECK-OUT ?
- S211 HAS DISC ID OF DISK LOADED INTO FD BEEN REGISTERED IN DISC ID  
DATABASE ?
- S212 DOES ID OF DISC LOADED IN PD MATCH ID OF RESERVED DISC ?
- S213 HAS CHECK-IN BEEN RESERVED ?
- S214 ASK WHETHER OR NOT TO PERFORM CHECK-IN.
- S215 WILL USER PERFORM CHECK-IN ?
- S216 PERFORM CHECK-IN.
- S217 PERFORM CHECK-OUT.
- S218 DOES DISC LOADED IN PD CONTAIN SONG ?
- S219 DETERMINE THAT DISC IS BLANK DISC AND REGISTER INFORMATION  
THEREABOUT TO DATABASE.
- S220 HAS CHECK-OUT FOR NEW DISC BEEN RESERVED ?
- S221 DETERMINE THAT DISC IS NON-REGISTERED DISC AND ASK WHETHER OR  
NOT TO REGISTER DISC.
- S222 WILL USER REGISTER DISC ID ?
- S223 REGISTER NON-REGISTERED DISC.